PGPUB-DOCUMENT-NUMBER: 20040204363

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040204363 A1

TITLE: Use of heat shock proteins to deliver moieties into cells

PUBLICATION-DATE: October 14, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY Young, Richard A. Weston MA US

ASSIGNEE-INFORMATION:

NAME CITY STATE COUNTRY TYPE CODE

Whitehead Institute for Biomedical Research Cambridge MA US 03

APPL-NO: 10/843659 [PALM] DATE FILED: May 11, 2004

RELATED-US-APPL-DATA:

Application 10/843659 is a continuation-of US application 09/756543, filed January 8, 2001, PENDING Application 09/756543 is a continuation-of US application 09/025178, filed February 18, 1998, ABANDONED

Application is a non-provisional-of-provisional application 60/038059, filed February 18, 1997, Application is a non-provisional-of-provisional application 60/066288, filed November 25, 1997,

INT-CL-PUBLISHED: [07] A61K 38/17

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPN	<u>A61 K 38/00</u>	20060101
CIPS	C07 K 14/005	20060101
CIPS	<u>A61 K 47/48</u>	20060101
CIPS	C07 K 14/77	20060101
CIPS	<u>C07 K 14/145</u>	20060101
CIPS	C07 K 14/195	20060101
CIPS	<u>C07 K 14/35</u>	20060101
CIPS	C07 K 14/435	20060101

US-CL-PUBLISHED: 514/012; 514/008 US-CL-CURRENT: 514/12; 514/8

REPRESENTATIVE-FIGURES: NONE

ABSTRACT:

The present invention relates to a method of delivering a moiety of interest into a cell comprising contacting the cell with a complex comprising the moiety of interest covalently linked to a heat shock

protein, under conditions appropriate for entry of the complex into the cell. The invention also relates to a method of delivering a moiety of interest into a cell capable of taking up a complex comprising the moiety of interest covalently linked to a heat shock protein comprising contacting the cell with a complex comprising the moiety of interest covalently linked to a heat shock protein, under conditions appropriate for entry of the complex into the cell. Also encompassed by the present invention is a method of delivering a moiety of interest into an antigen presenting cell comprising contacting the cell with a complex comprising the moiety of interest covalently linked to a heat shock protein, under conditions appropriate for entry of the complex into the cell.

RELATED APPLICATION(S)

[0001] This application is a continuation of U.S. application Ser. No. 09/756,543, filed Jan. 8, 2001, which is a continuation of U.S. application Ser. No. 09/025,178, filed Feb. 18, 1998, which claims the benefit of U.S. Provisional Application No. 60/038,059, filed Feb. 18, 1997 and U.S. Provisional Application No. 60/066,288, filed Nov. 25, 1997. The entire teachings of the above applications are incorporated herein by reference.